

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090120\
 Data File : VX018194.D
 Acq On : 01 Sep 2020 16:02
 Operator : JC/SP
 Sample : PB131314ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#10

Quant Time: Sep 02 02:51:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	408427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	681773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	676947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	312232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	305470	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
35) Dibromofluoromethane	5.47	113	238217	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	8.70	98	860250	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.12	95	316233	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

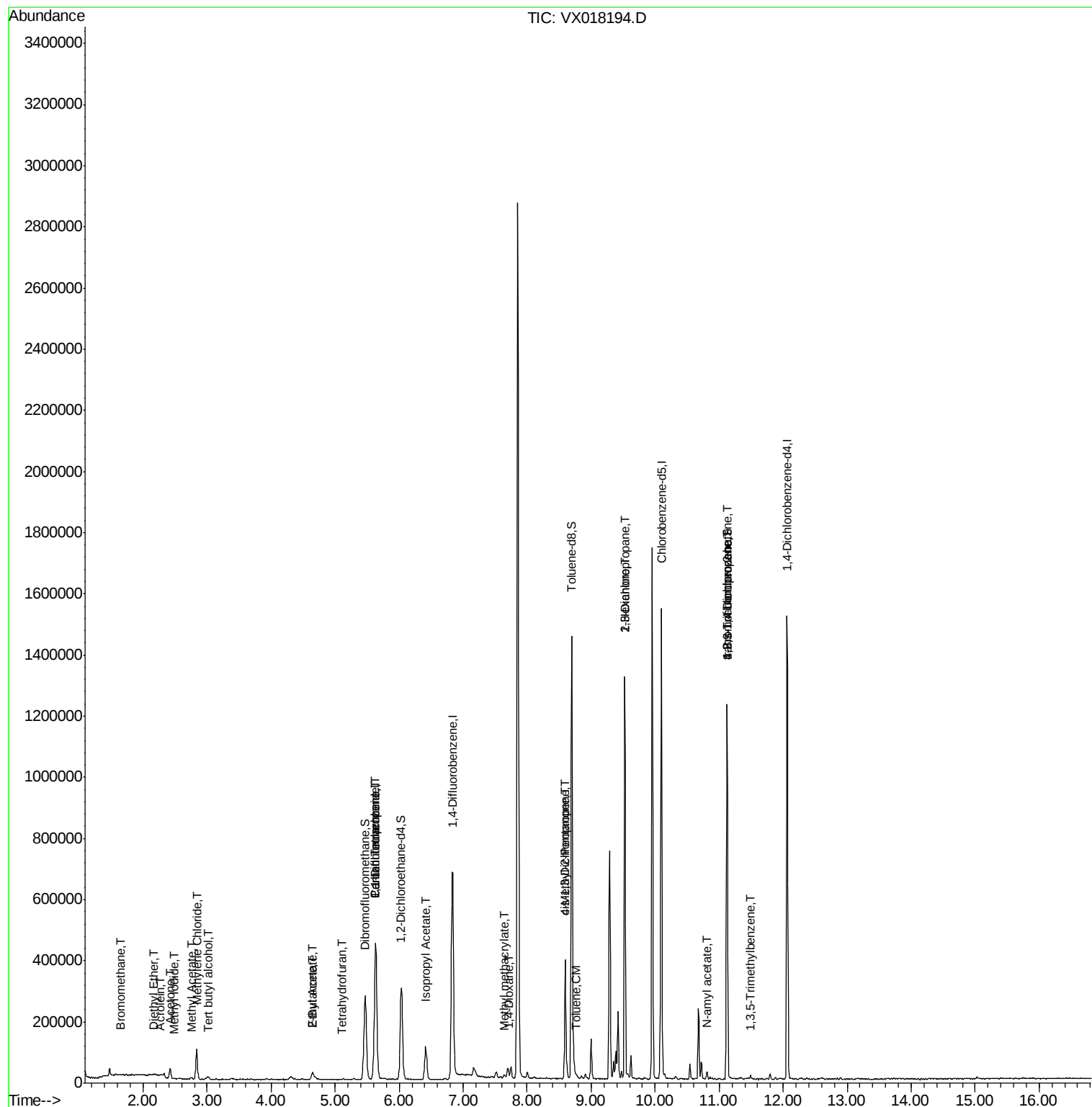
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	843	0.335	ug/l #	27
8) Diethyl Ether	2.17	74	1453	0.602	ug/l	81
10) Methyl Iodide	2.48	142	437	5.382	ug/l #	70
11) Tert butyl alcohol	3.01	59	8065	7.315	ug/l	97
13) Acrolein	2.26	56	731	1.599	ug/l #	55
16) Acetone	2.42	43	36616	16.573	ug/l	99
18) Methyl Acetate	2.76	43	7738	1.451	ug/l #	79
20) Methylene Chloride	2.84	84	44732	8.943	ug/l	98
25) 2-Butanone	4.64	43	27320	7.524	ug/l	98
29) Tetrahydrofuran	5.10	42	1815	0.785	ug/l #	68
36) 1,1-Dichloropropene	5.63	75	32578	5.181	ug/l #	52
37) Ethyl Acetate	4.64	43	26156	3.581	ug/l #	69
38) Carbon Tetrachloride	5.63	117	40939	5.777	ug/l #	19
43) Isopropyl Acetate	6.42	43	148274	12.569	ug/l	98
48) Methyl methacrylate	7.65	41	12867	2.191	ug/l #	16
49) 1,4-Dioxane	7.72	88	225	2.115	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	137881	18.922	ug/l #	49
52) Toluene	8.77	92	2546	0.217	ug/l	81
54) cis-1,3-Dichloropropene	8.60	75	59081	7.197	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	11455	1.390	ug/l #	42
59) 2-Hexanone	9.52	43	152822	27.581	ug/l #	51
74) N-amyl acetate	10.80	43	11351	1.162	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	161955	23.317	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5252	0.310	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	161955	62.976	ug/l #	12

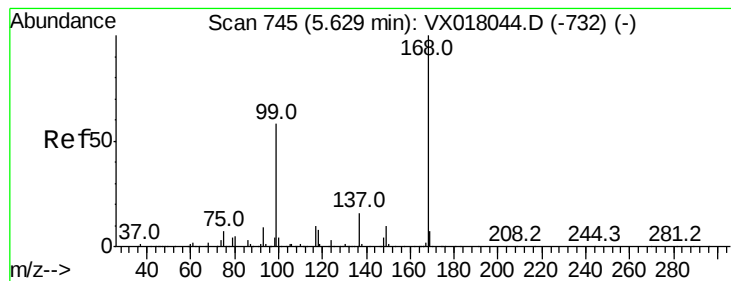
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090120\
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Quant Time: Sep 02 02:51:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

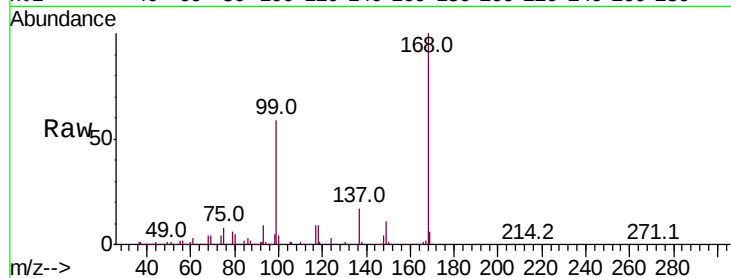
PB131314ZHE#10

Tot Ion:168 Resp: 408427

Ion Ratio Lower Upper

168 100

99 59.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX018044.D (-732) (-)

Ion 98.90 (98.60 to 99.60): VX018044.D (-732) (-)

5.63

150000

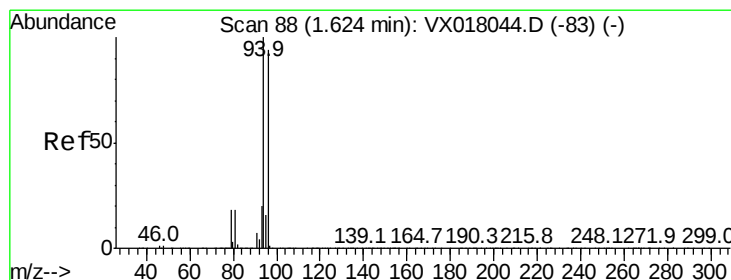
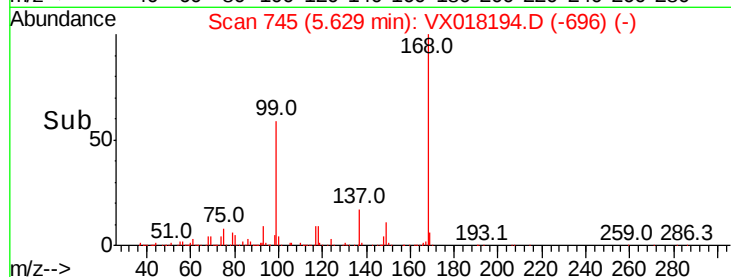
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.335 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018194.D

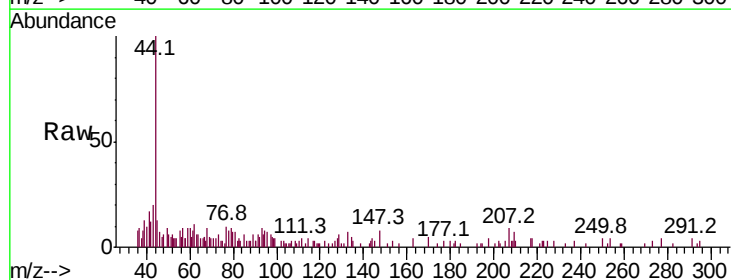
Acq: 01 Sep 2020 16:02

Tgt Ion: 94 Resp: 843

Ion Ratio Lower Upper

94 100

96 23.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX018044.D (-83) (-)

Ion 95.90 (95.60 to 96.60): VX018044.D (-83) (-)

1.64

500

400

300

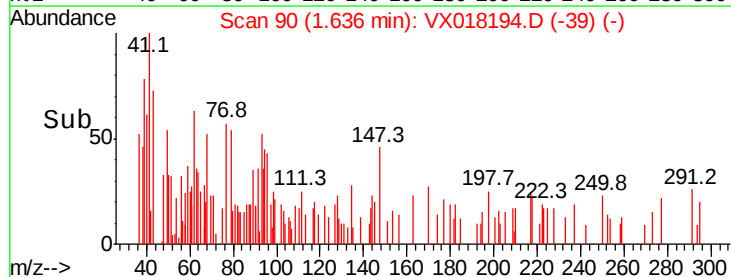
200

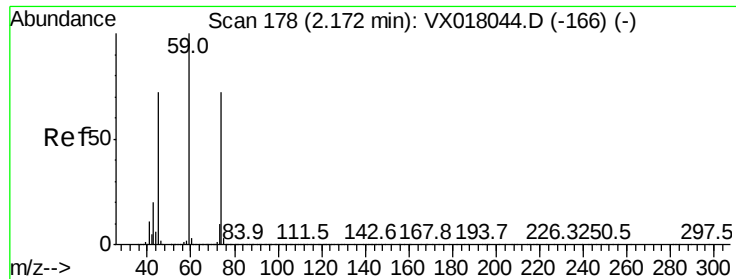
100

0

Time-->

1.60 1.65

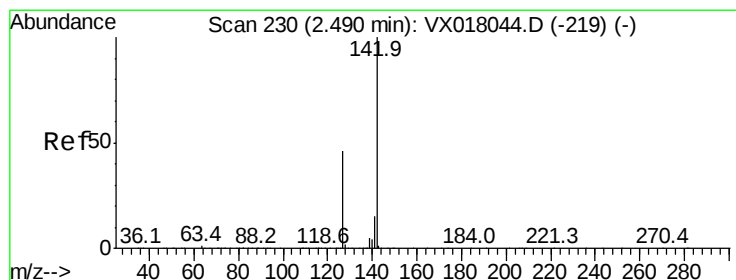
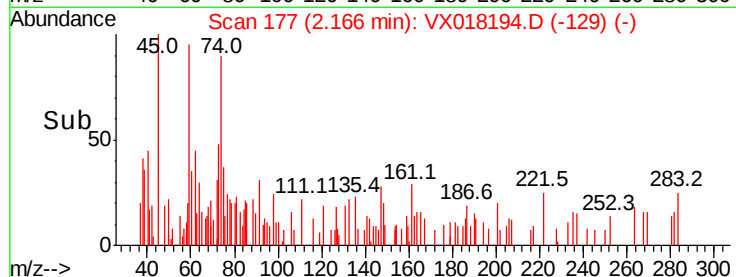
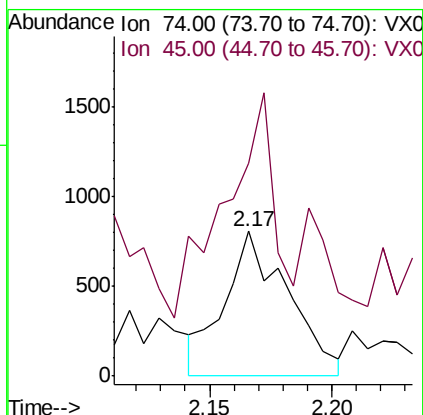
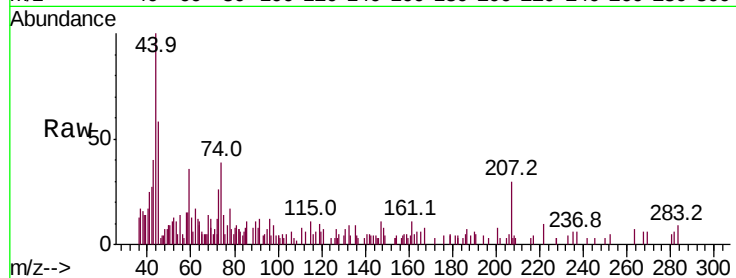




#8
Diethyl Ether
Concen: 0.602 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

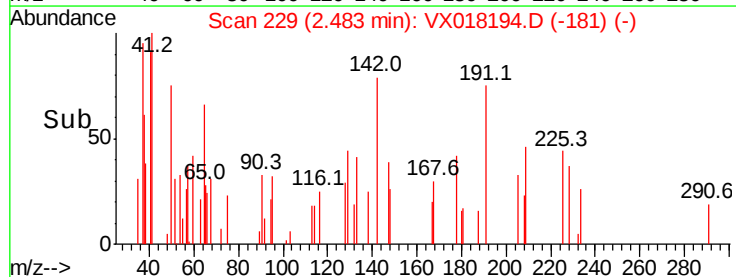
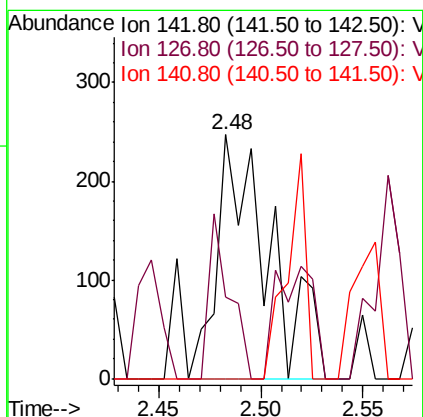
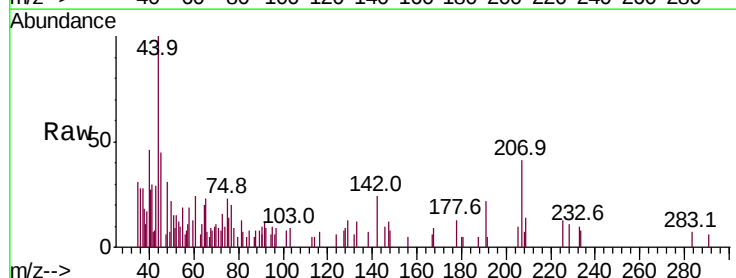
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

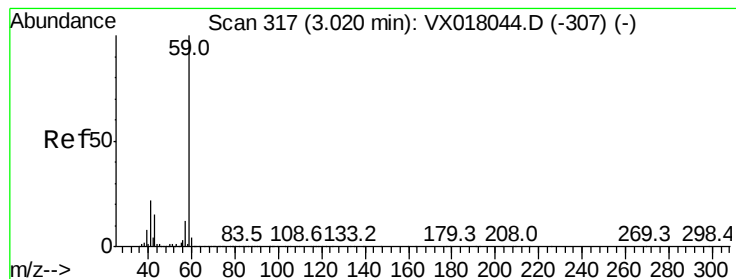
Tot Ion: 74 Resp: 1453
Ion Ratio Lower Upper
74 100
45 120.9 50.7 152.3



#10
Methyl Iodide
Concen: 5.382 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion: 142 Resp: 437
Ion Ratio Lower Upper
142 100
127 27.2 37.0 55.6#
141 0.0 11.5 17.3#



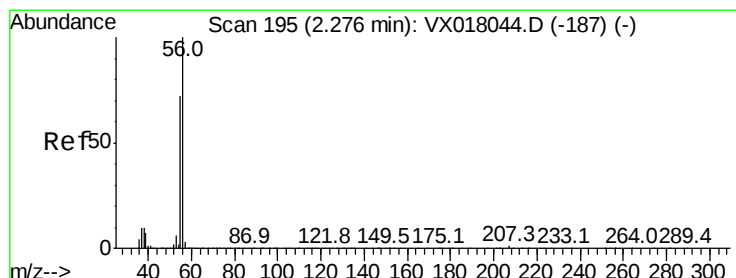
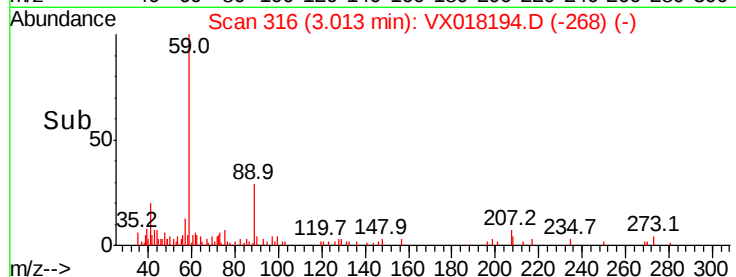
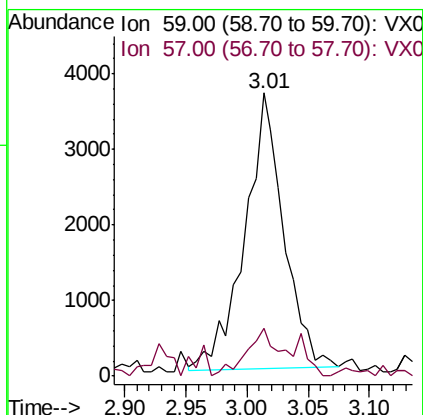
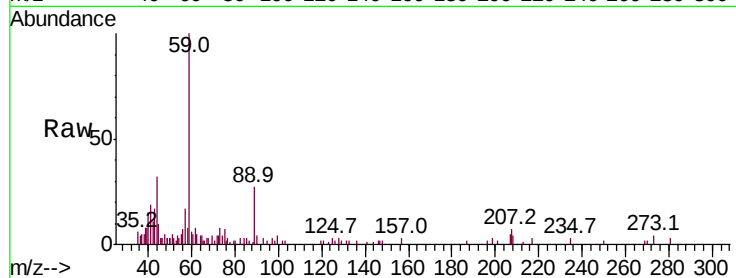


#11

Tert butyl alcohol
Concen: 7.315 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

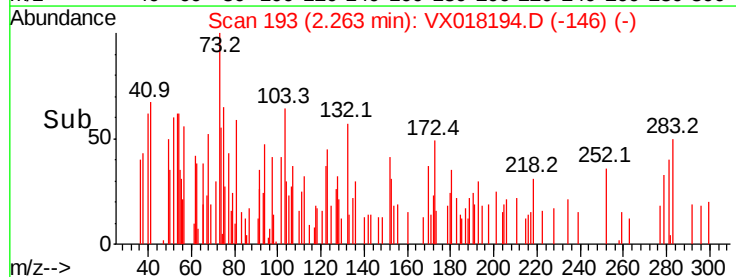
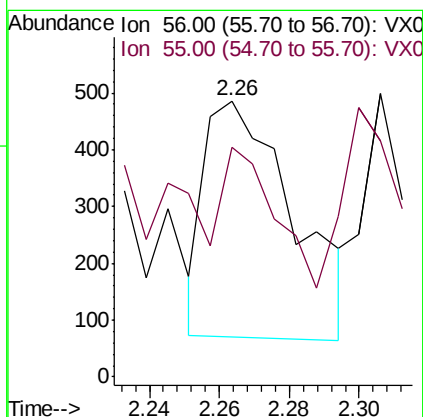
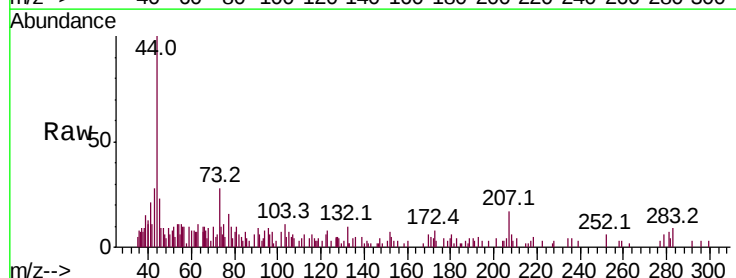
Tot Ion: 59 Resp: 8065
Ion Ratio Lower Upper
59 100
57 9.9 8.9 13.3

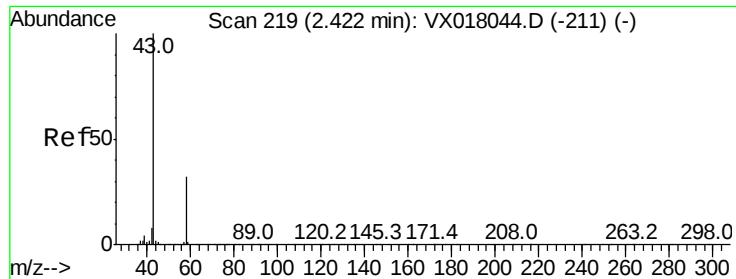


#13

Acrolein
Concen: 1.599 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion: 56 Resp: 731
Ion Ratio Lower Upper
56 100
55 34.1 57.0 85.6#





#16

Acetone

Concen: 16.573 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

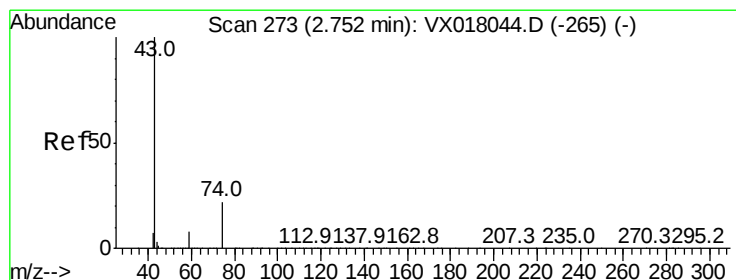
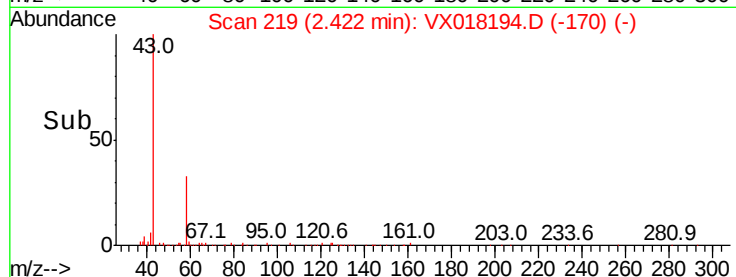
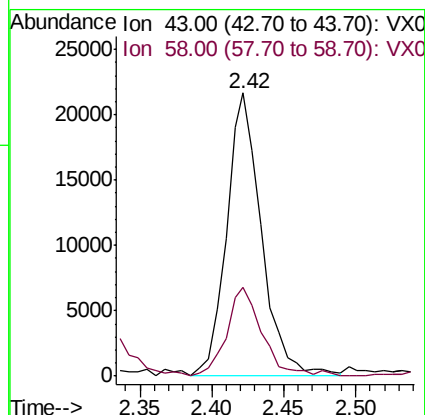
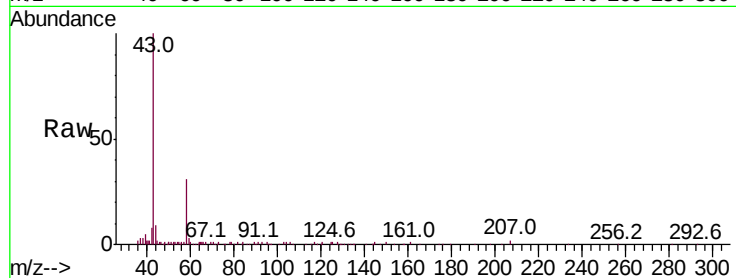
PB131314ZHE#10

Tot Ion: 43 Resp: 36616

Ion Ratio Lower Upper

43 100

58 31.1 25.5 38.3



#18

Methyl Acetate

Concen: 1.451 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX018194.D

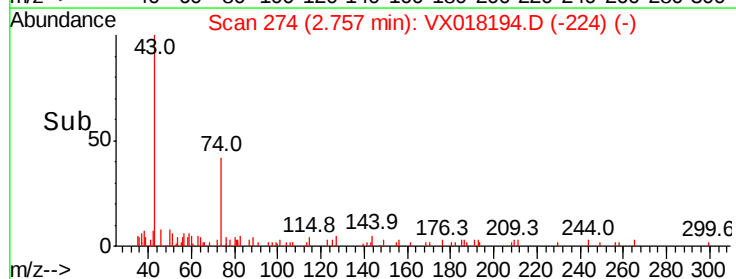
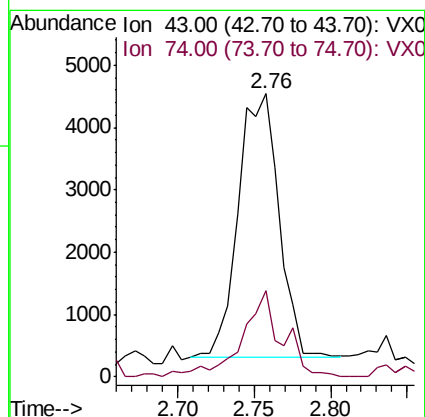
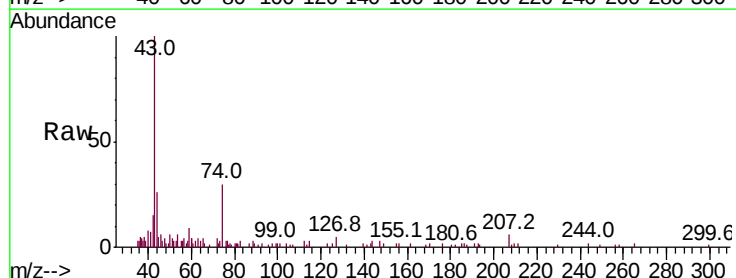
Acq: 01 Sep 2020 16:02

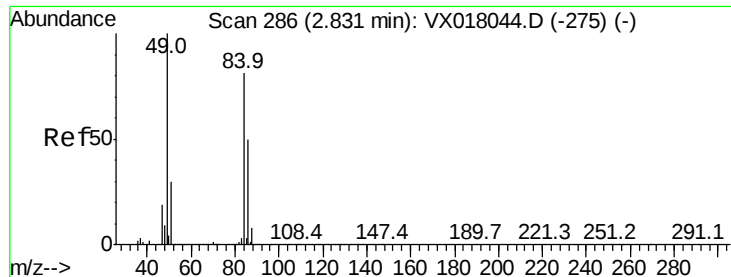
Tgt Ion: 43 Resp: 7738

Ion Ratio Lower Upper

43 100

74 33.2 18.2 27.4#

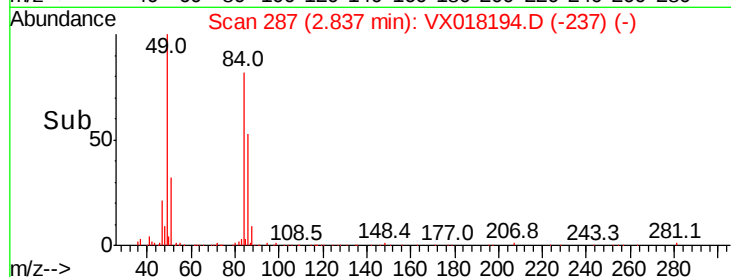
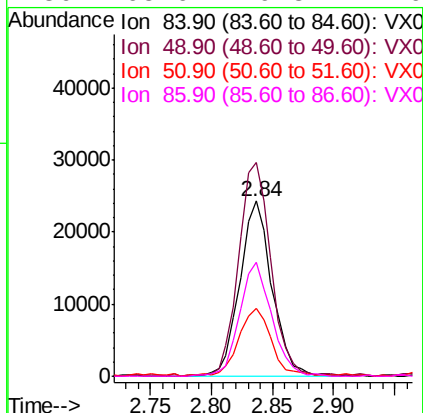
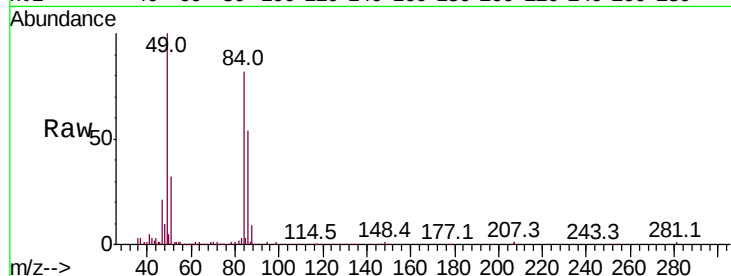




#20
Methvlene Chloride
Concen: 8.943 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

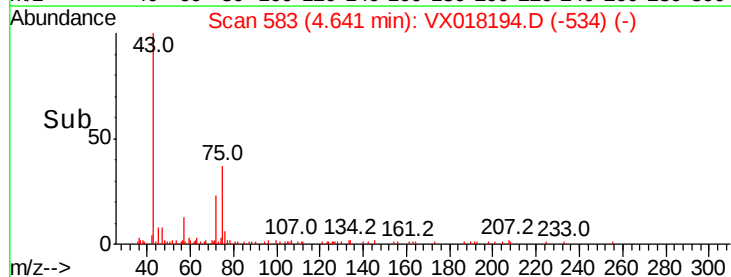
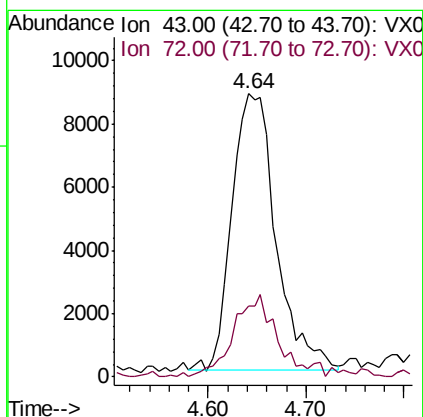
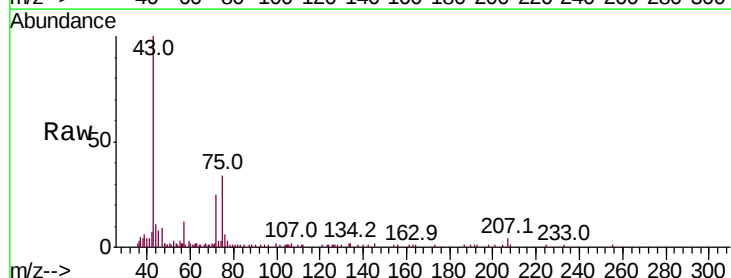
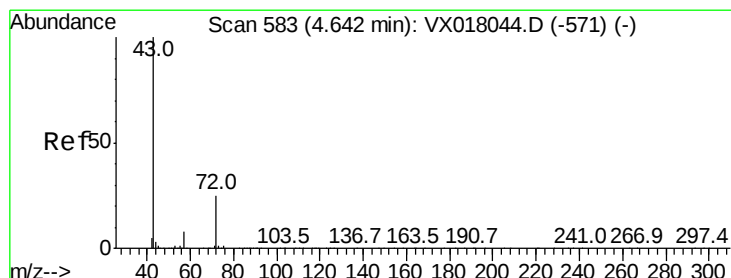
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

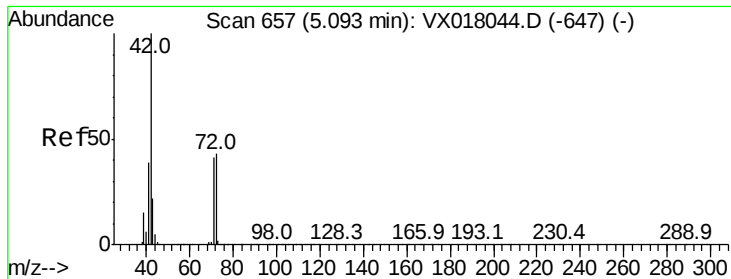
Tot Ion:	84	Resp:	44732
Ion	Ratio	Lower	Upper
84	100		
49	121.9	98.6	148.0
51	38.5	29.6	44.4
86	65.6	49.8	74.6



#25
2-Butanone
Concen: 7.524 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion:	43	Resp:	27320
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.8	29.6

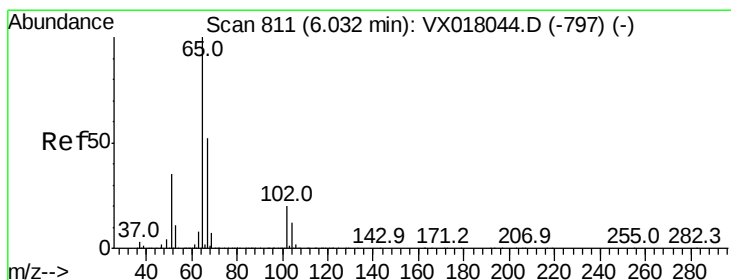
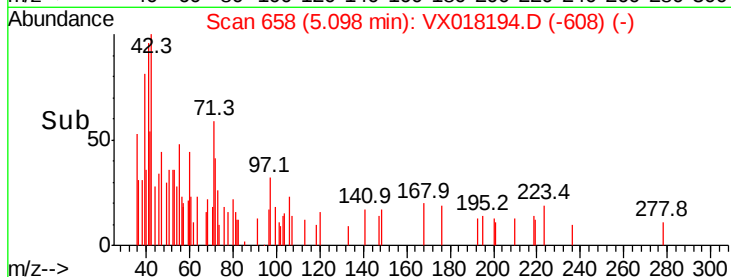
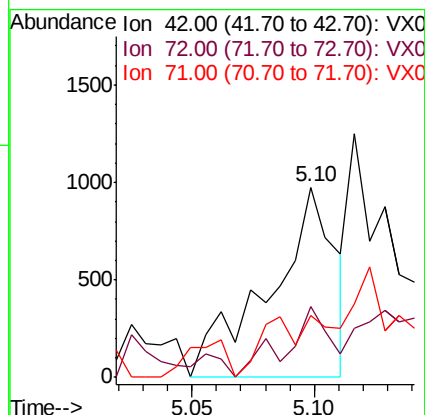
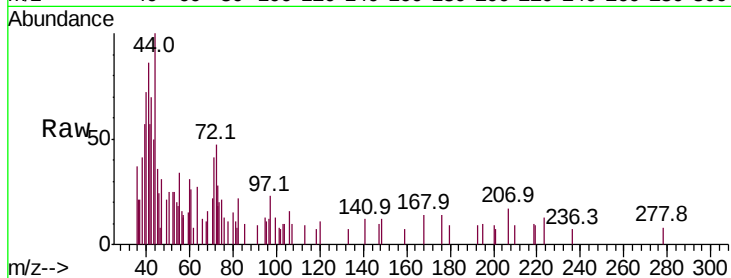




#29
Tetrahydrofuran
Concen: 0.785 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

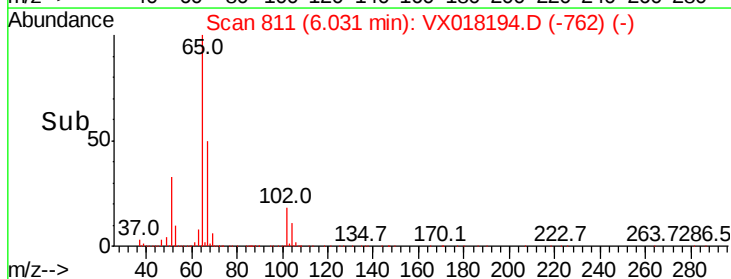
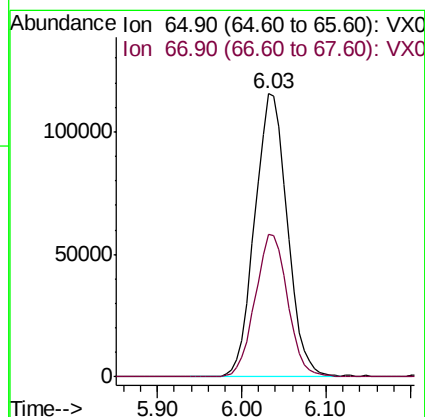
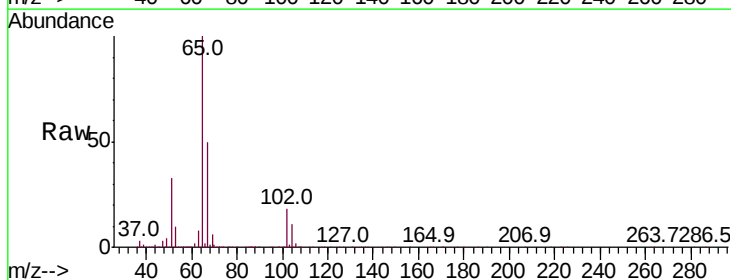
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MSVOA_X
ClientSampleId :
PB131314ZHE#10

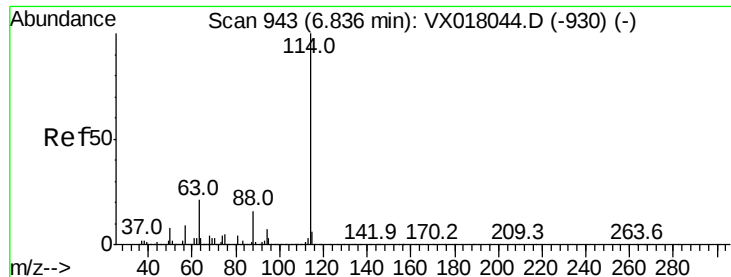
Tot Ion: 42 Resp: 1815
Ion Ratio Lower Upper
42 100
72 25.2 34.2 51.4#
71 16.7 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 53.875 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion: 65 Resp: 305470
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

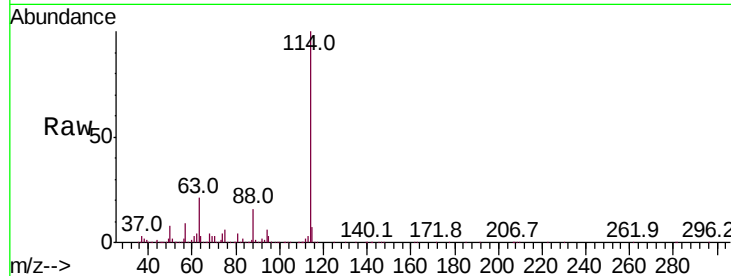
Tot Ion:114 Resp: 681773

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

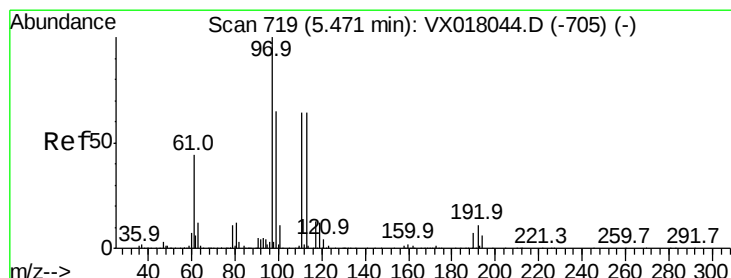
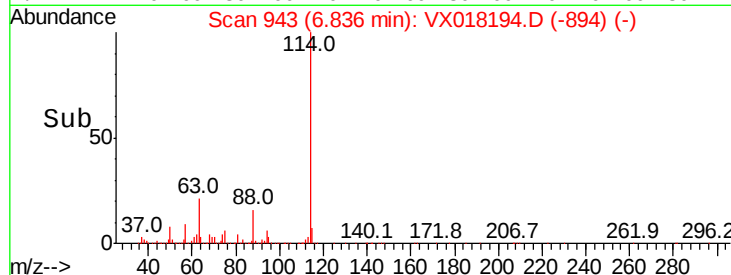
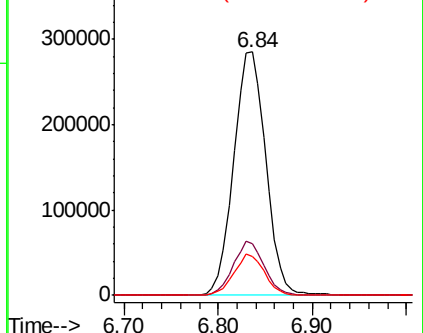
88 15.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.304 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

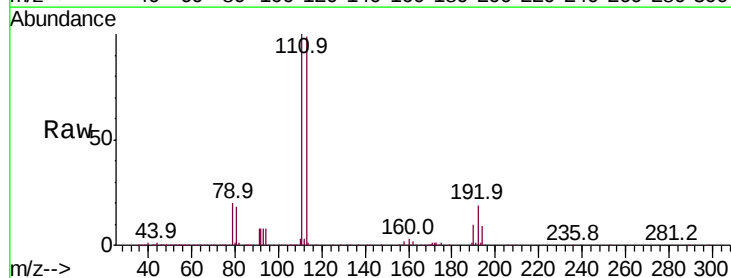
Tgt Ion:113 Resp: 238217

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

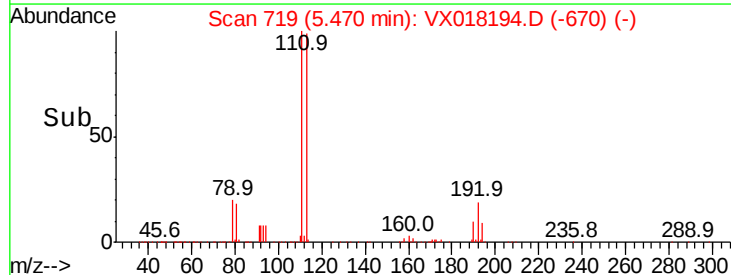
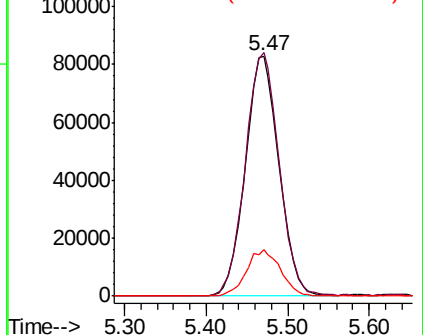
192 19.5 15.8 23.8

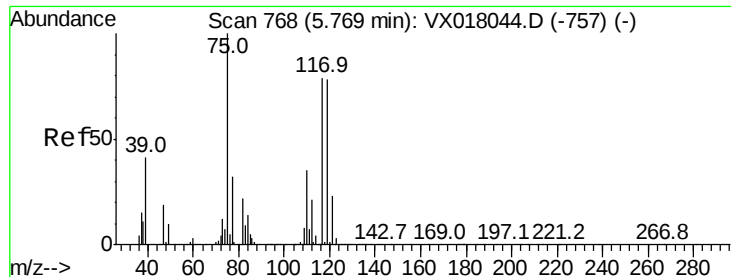


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

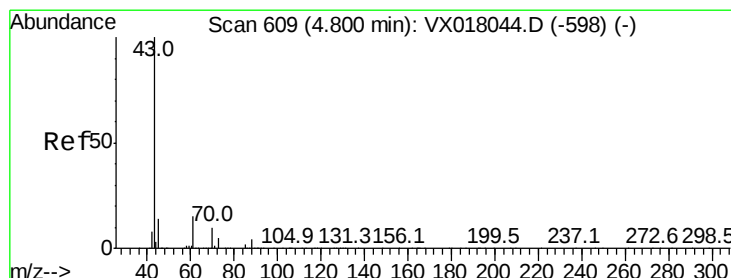
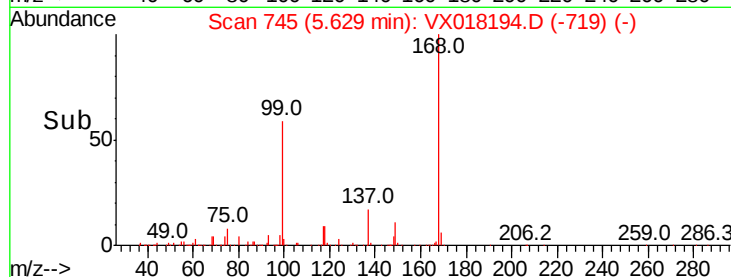
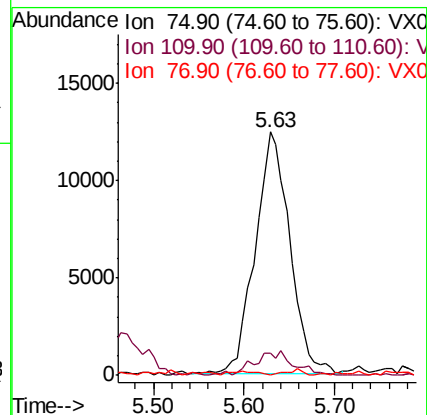
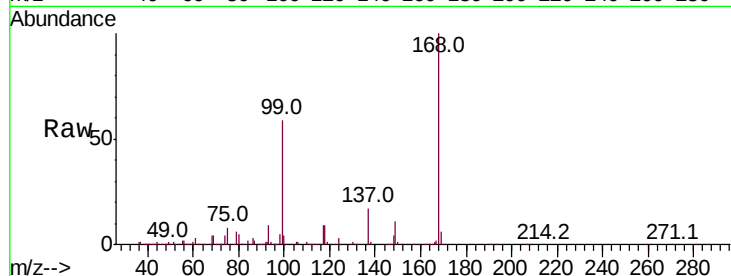
Tot Ion: 75 Resp: 32578

Ion Ratio Lower Upper

75 100

110 11.6 18.0 54.0#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.581 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.16 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

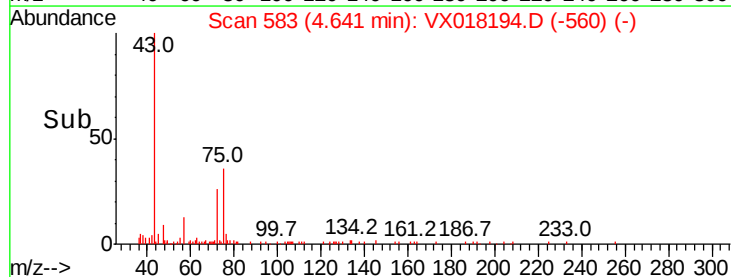
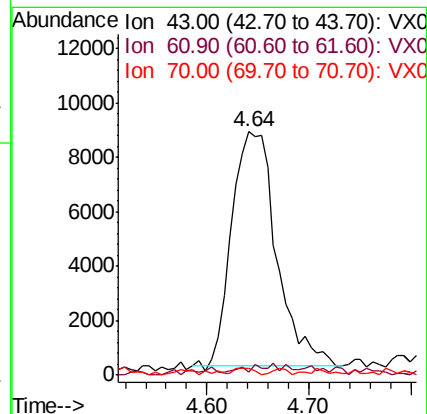
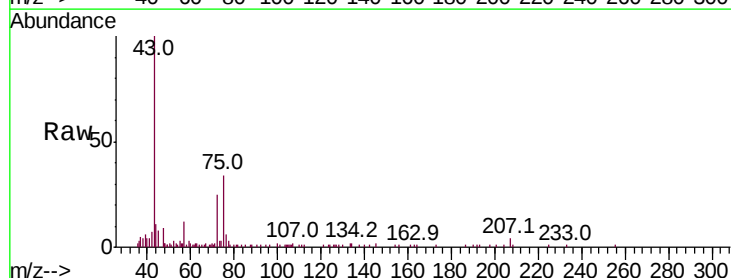
Tgt Ion: 43 Resp: 26156

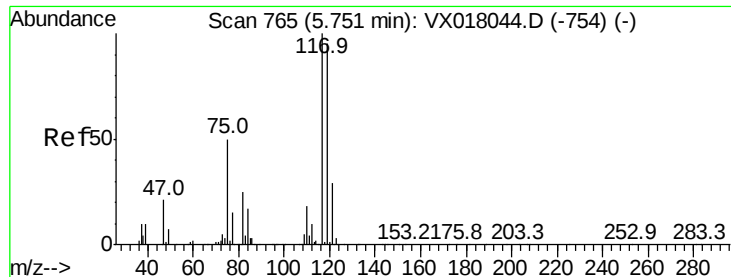
Ion Ratio Lower Upper

43 100

61 0.8 11.3 16.9#

70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

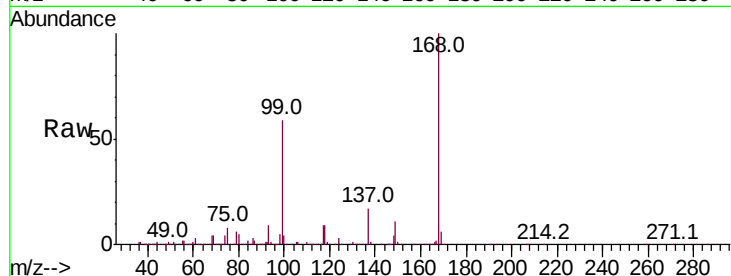
Tot Ion:117 Resp: 40939

Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

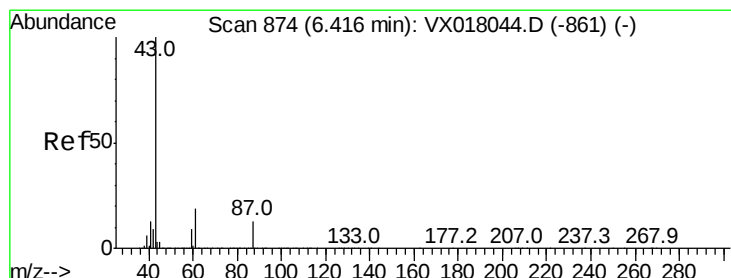
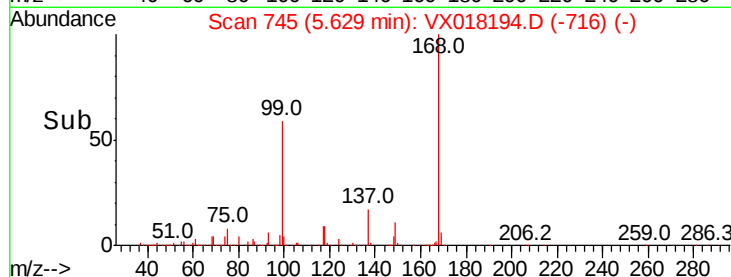
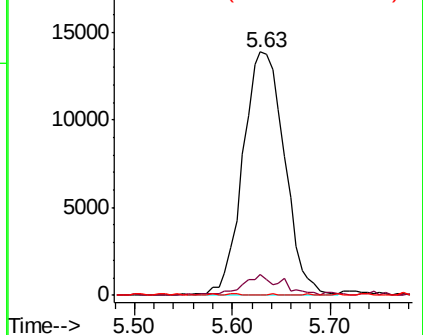
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 12.569 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

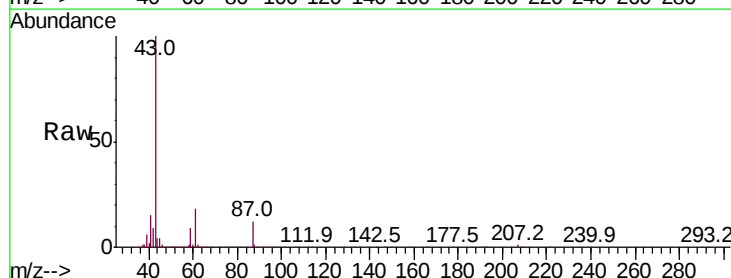
Tgt Ion: 43 Resp: 148274

Ion Ratio Lower Upper

43 100

61 18.3 15.7 23.5

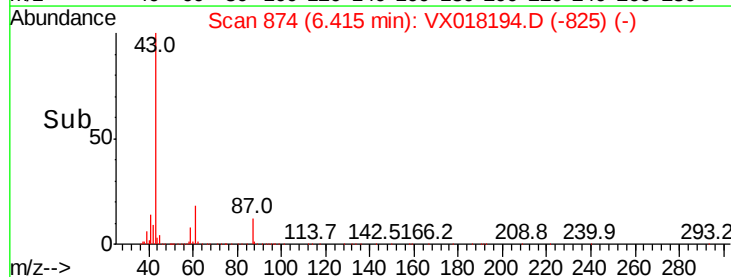
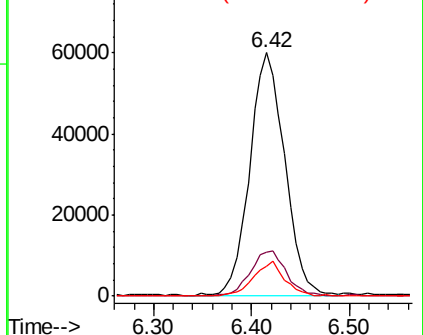
87 12.8 10.3 15.5

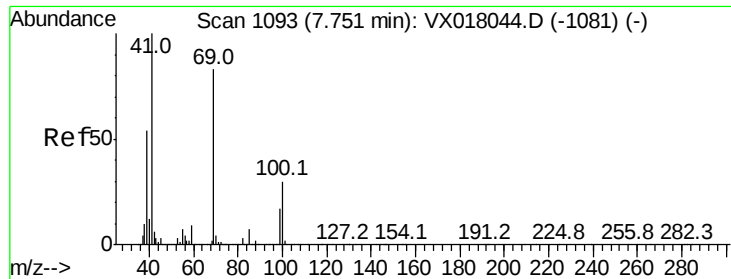


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

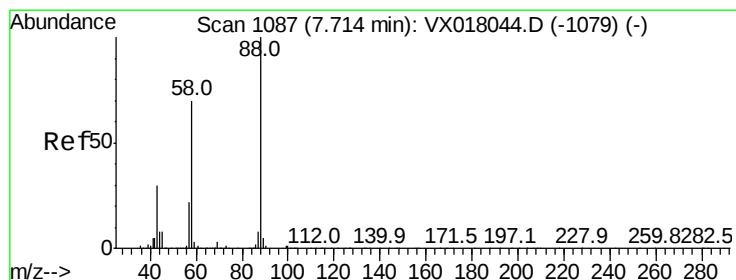
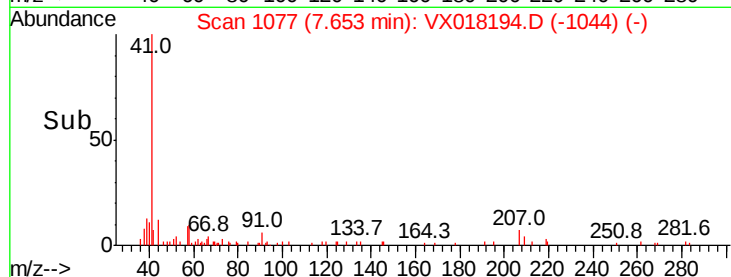
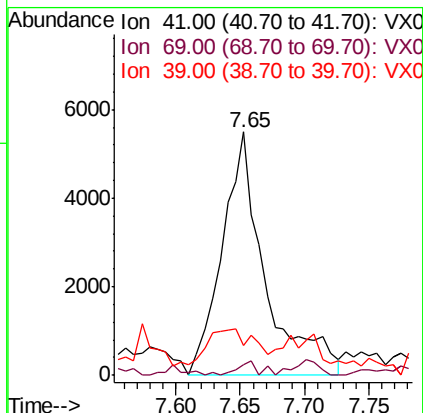
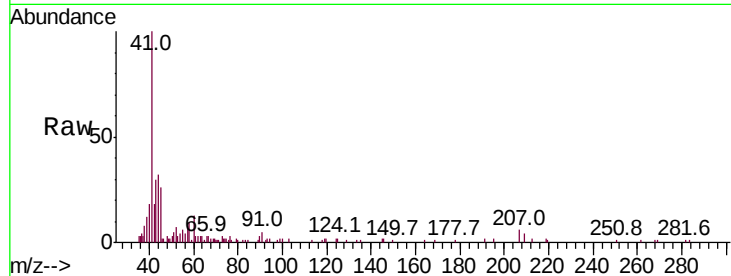




#48
Methyl methacrylate
Concen: 2.191 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

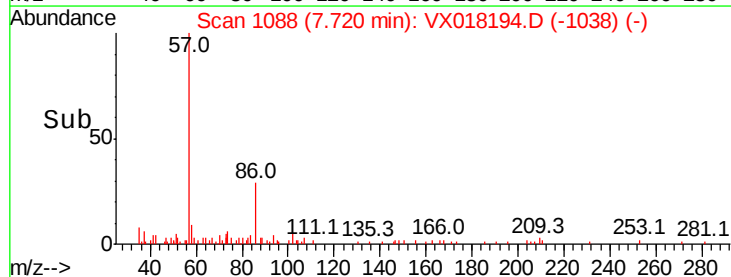
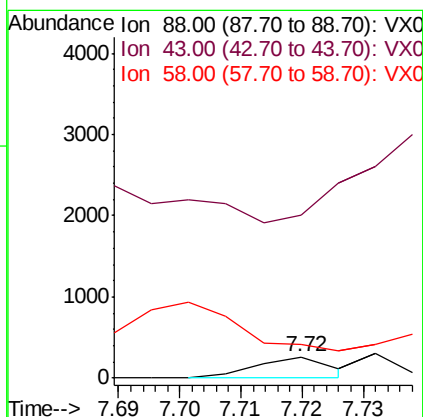
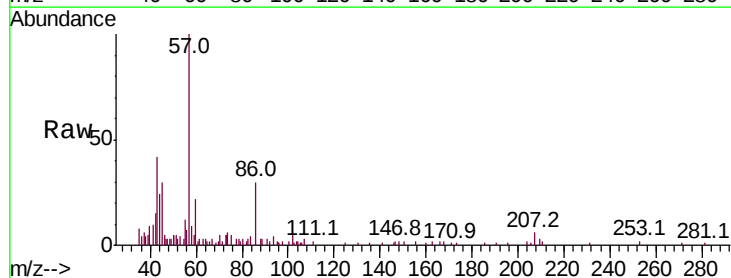
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

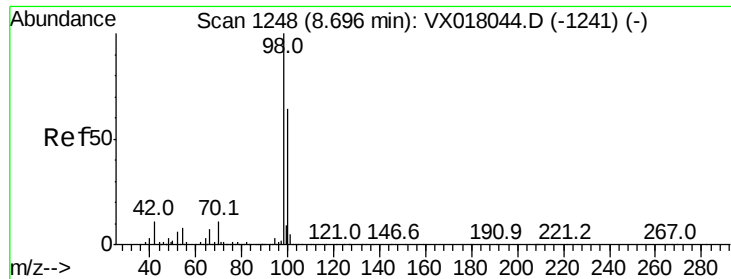
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.7	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 2.115 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	902.7	56.4	84.6#

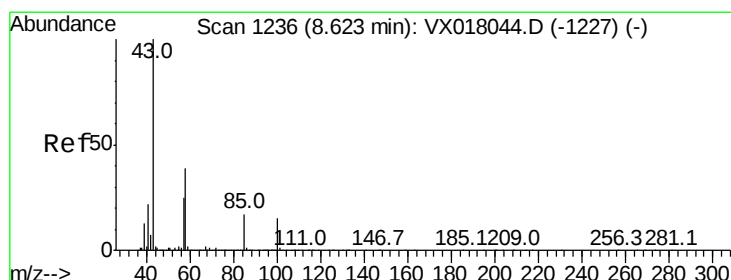
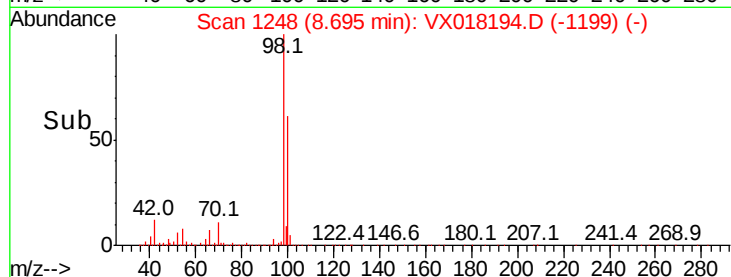
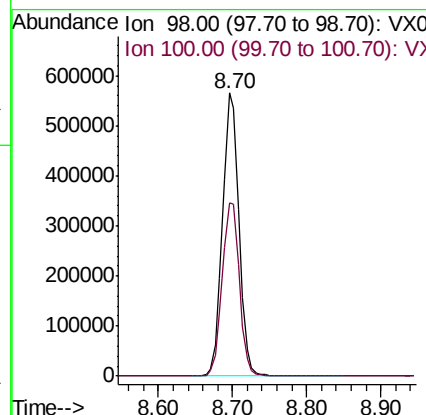
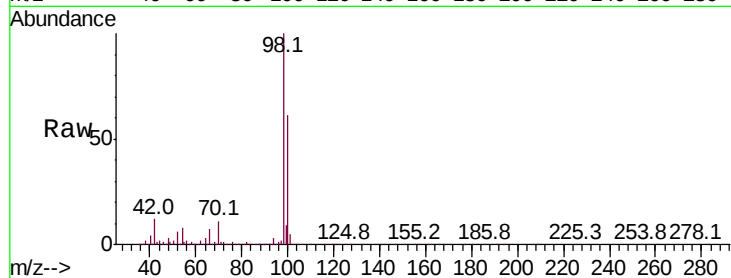




#50
Toluene-d8
Concen: 49.743 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

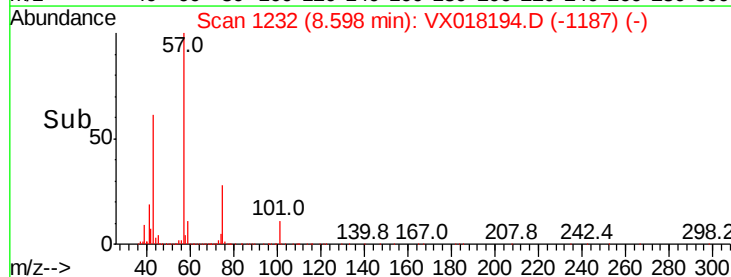
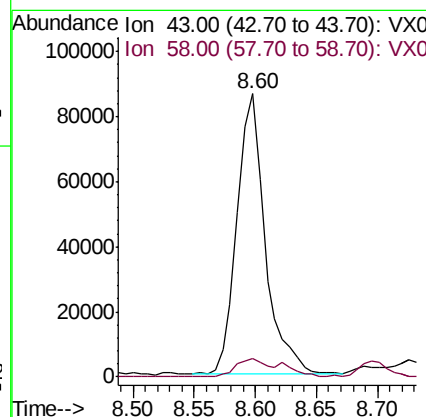
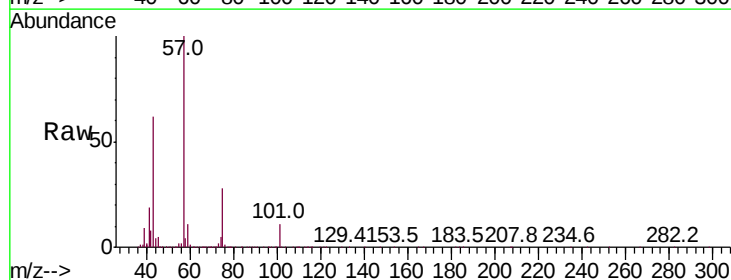
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

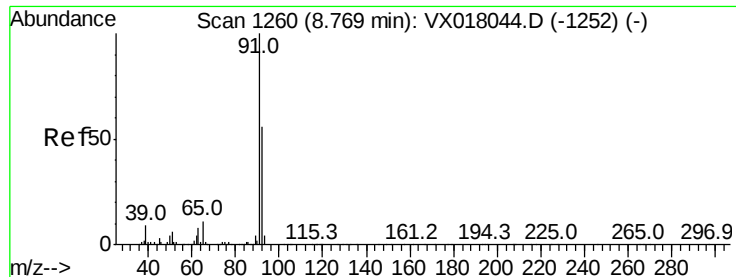
Tot Ion: 98 Resp: 860250
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 18.922 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX018194.D
Acq: 01 Sep 2020 16:02

Tgt Ion: 43 Resp: 137881
Ion Ratio Lower Upper
43 100
58 7.4 30.7 46.1#





#52

Toluene

Concen: 0.217 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

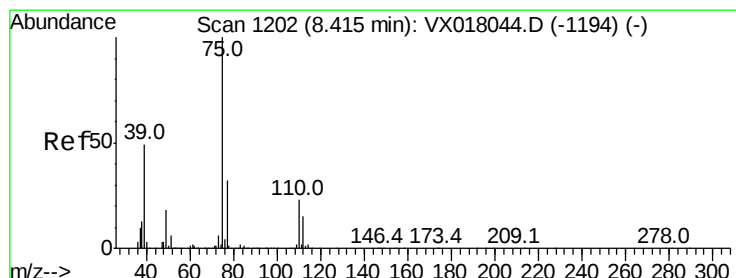
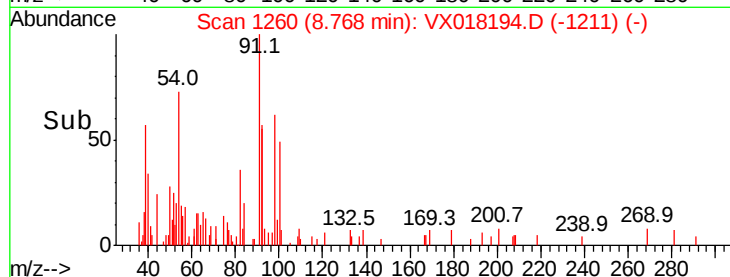
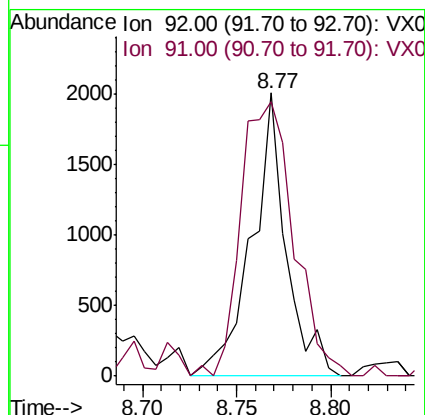
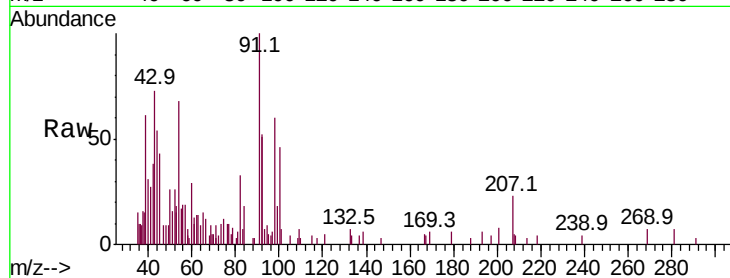
PB131314ZHE#10

Tot Ion: 92 Resp: 2546

Ion Ratio Lower Upper

92 100

91 149.2 140.3 210.5



#54

cis-1,3-Dichloropropene

Concen: 7.197 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

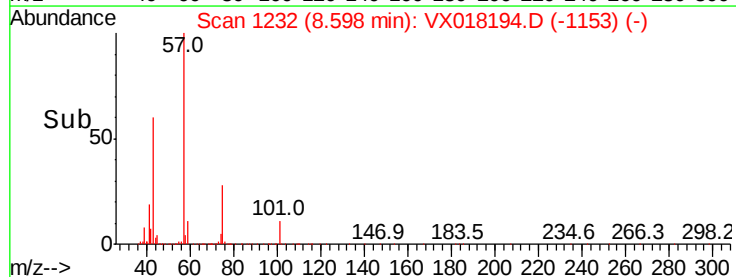
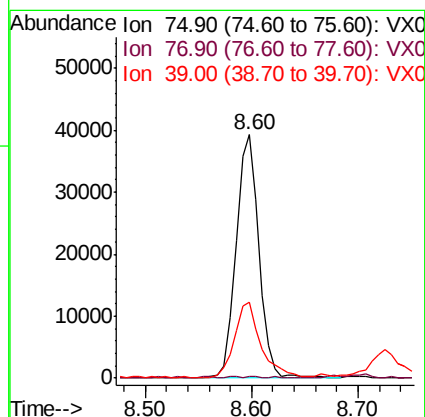
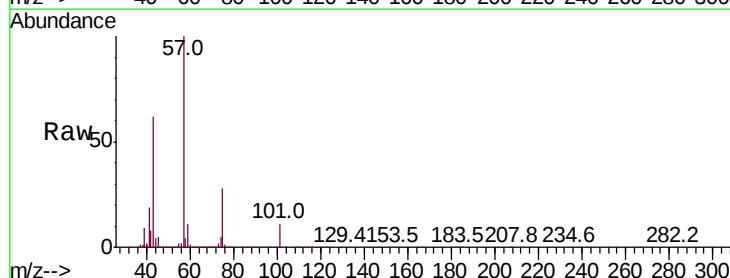
Tgt Ion: 75 Resp: 59081

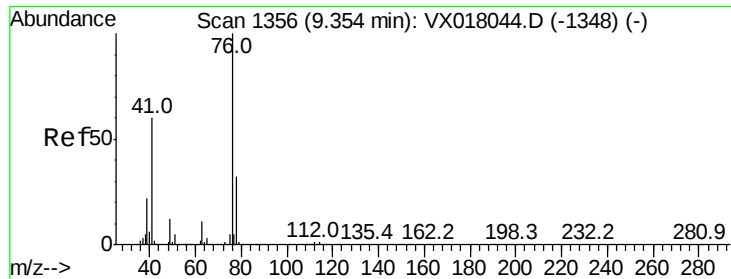
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 30.7 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.390 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

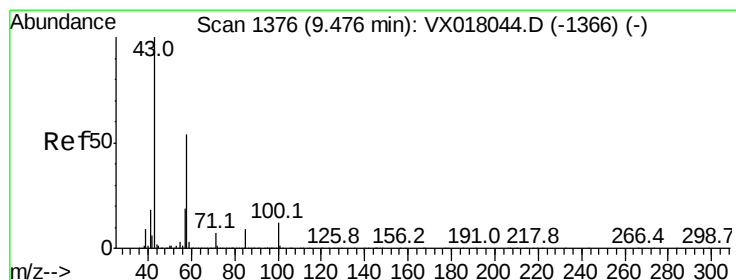
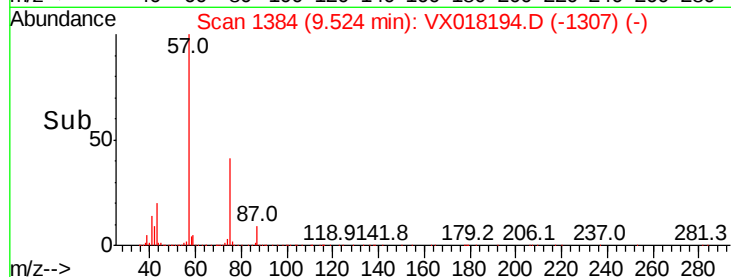
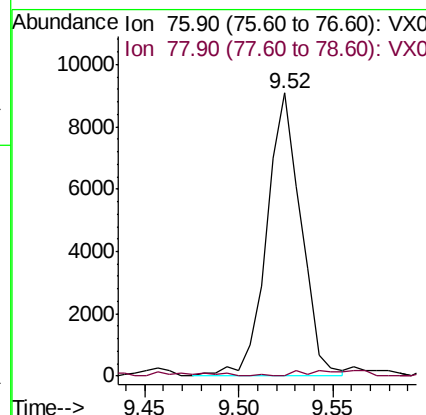
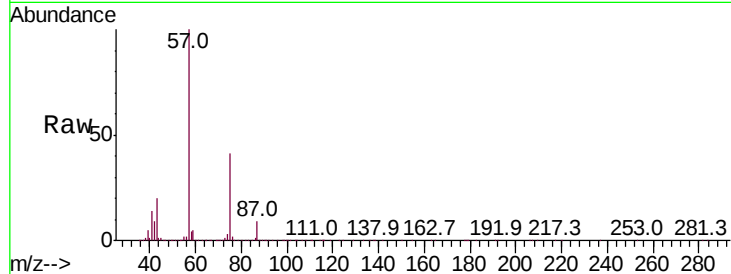
Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#10

Tot Ion: 76 Resp: 11455

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#



#59

2-Hexanone

Concen: 27.581 ug/l

RT: 9.52 min Scan# 1384

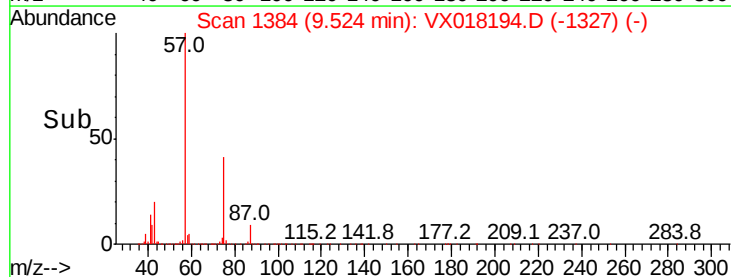
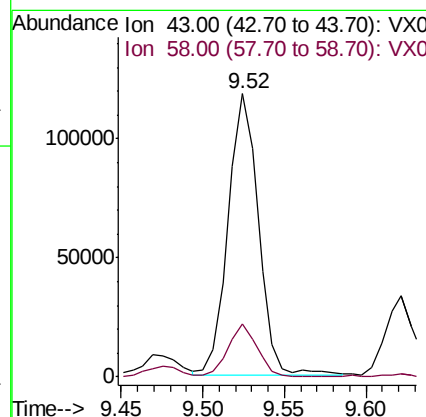
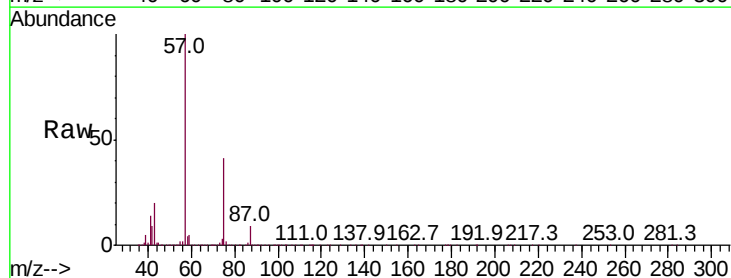
Delta R.T. 0.05 min

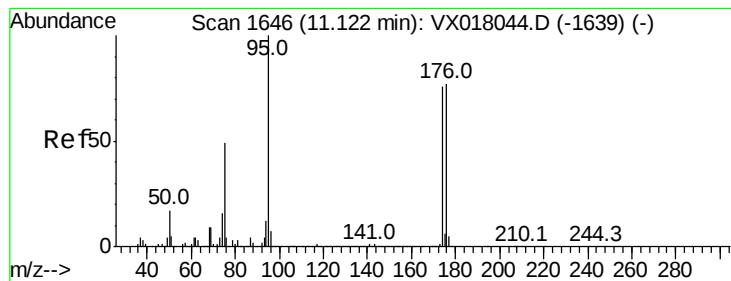
Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Tgt Ion: 43 Resp: 152822

Ion	Ratio	Lower	Upper
43	100		
58	18.4	26.6	79.7#





#62

4-Bromofluorobenzene

Concen: 46.477 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

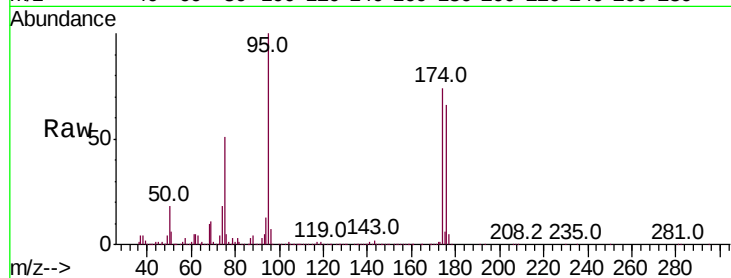
Tot Ion: 95 Resp: 316233

Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.2

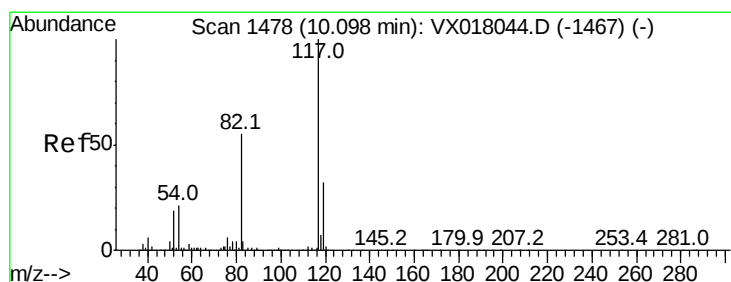
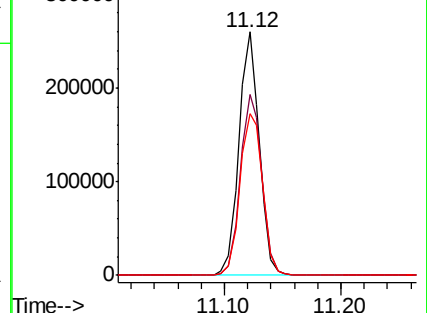
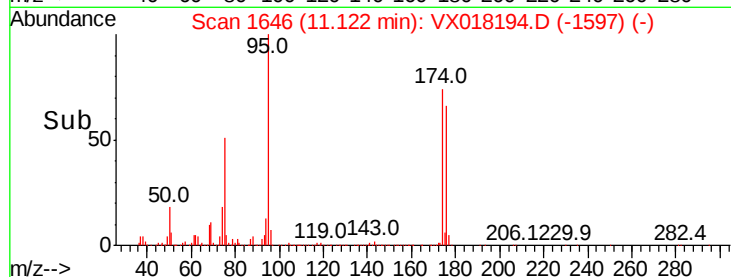
176 73.8 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018194.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018194.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018194.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

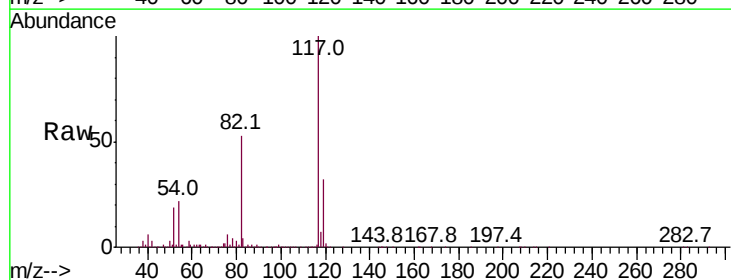
Tgt Ion: 117 Resp: 676947

Ion Ratio Lower Upper

117 100

82 53.0 44.2 66.2

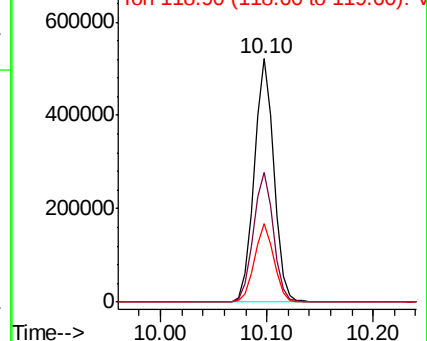
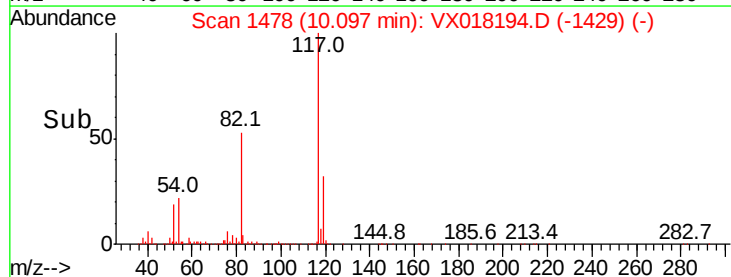
119 32.1 25.7 38.5

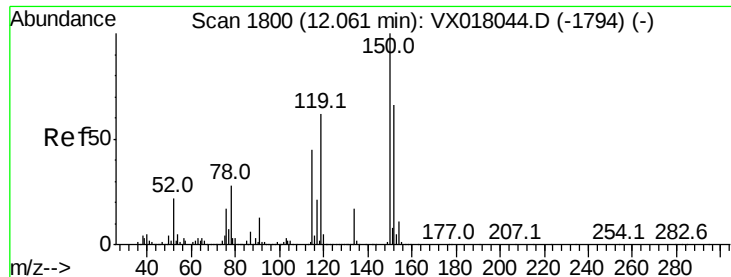


Abundance Ion 116.90 (116.60 to 117.60): VX018194.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018194.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018194.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

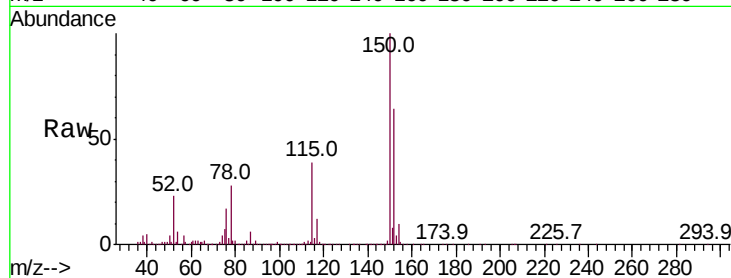
Tot Ion:152 Resp: 312232

Ion Ratio Lower Upper

152 100

115 58.4 41.5 124.5

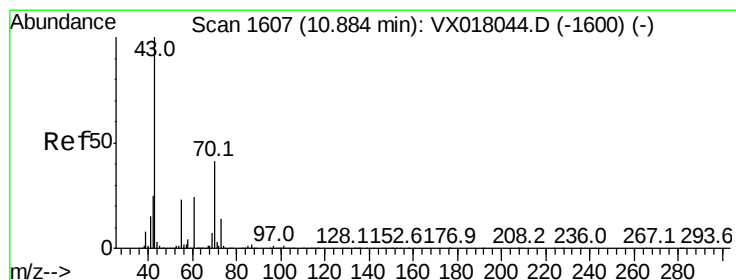
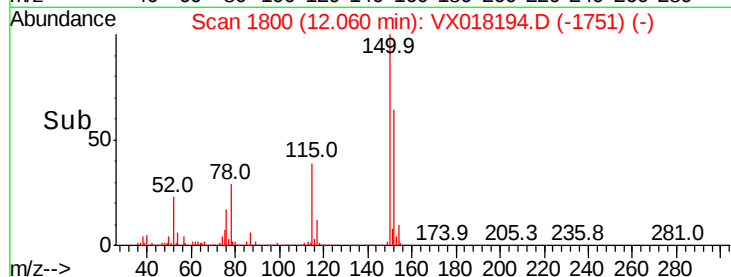
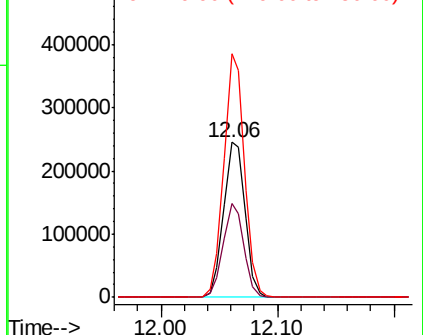
150 150.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.162 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Tgt Ion: 43 Resp: 11351

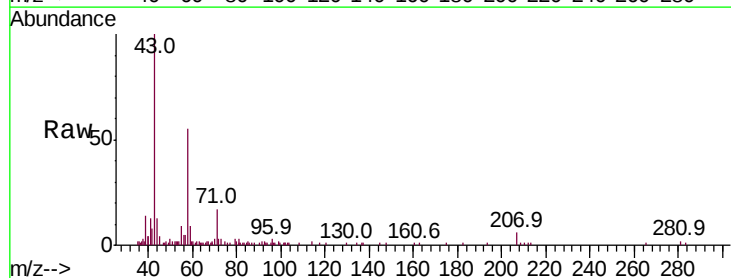
Ion Ratio Lower Upper

43 100

70 4.0 32.3 48.5#

55 6.7 18.2 27.2#

61 0.0 18.9 28.3#

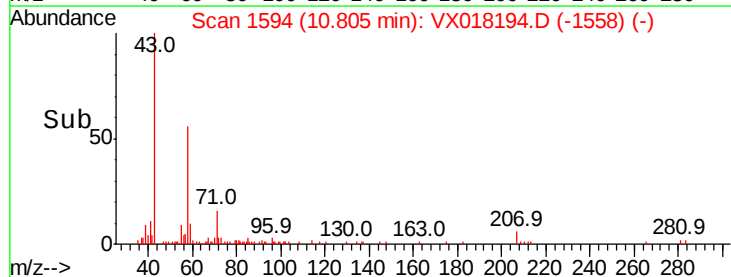
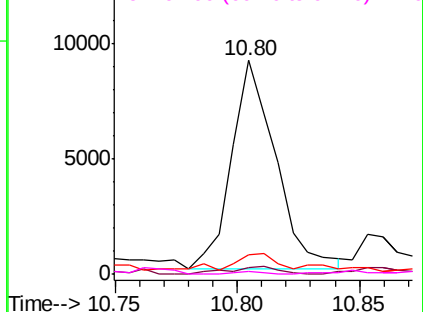


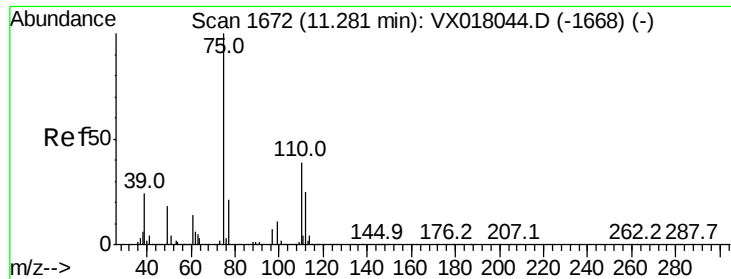
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

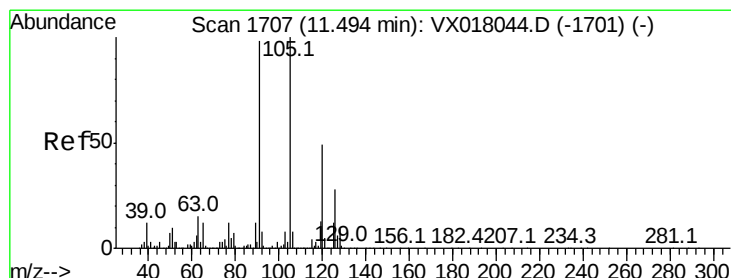
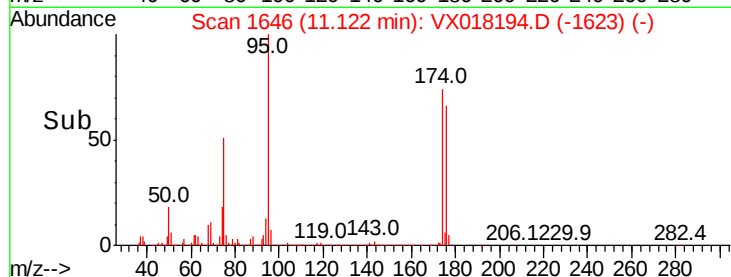
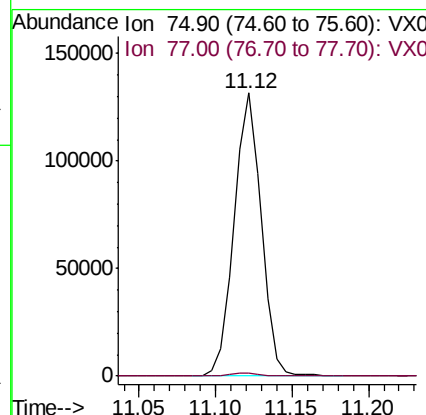
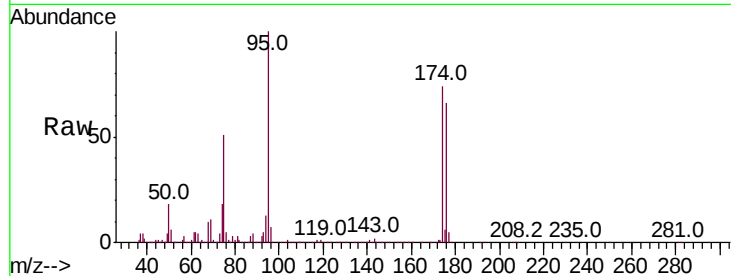




#76
 1,2,3-Trichloropropane
 Concen: 23.317 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018194.D
 Acq: 01 Sep 2020 16:02

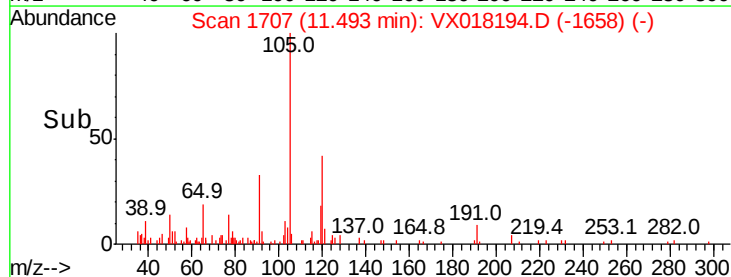
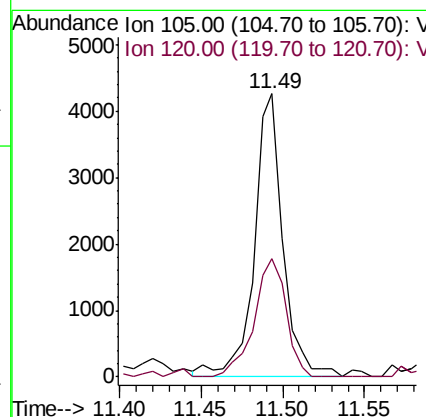
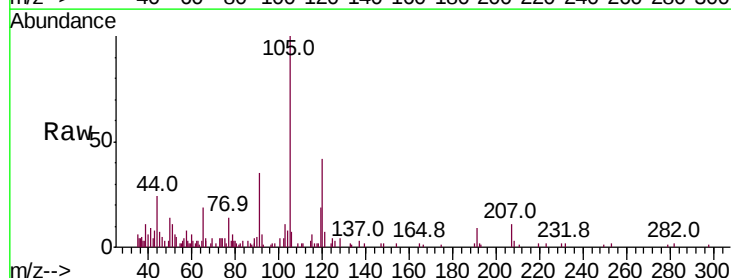
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#10

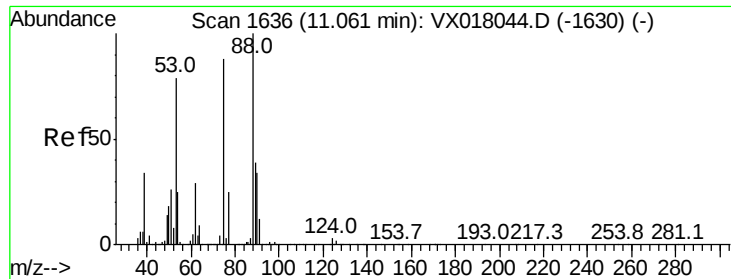
Tot Ion: 75 Resp: 161955
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.310 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018194.D
 Acq: 01 Sep 2020 16:02

Tgt Ion: 105 Resp: 5252
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.976 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018194.D

Acq: 01 Sep 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#10

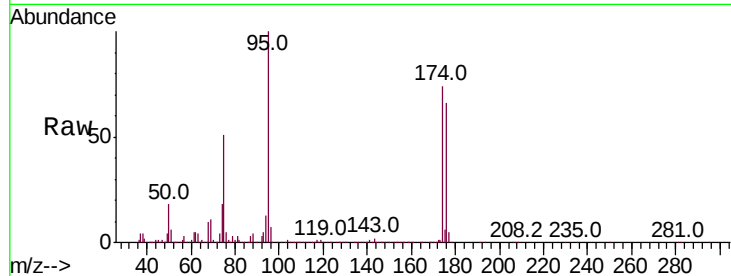
Tot Ion: 75 Resp: 161955

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

